

Slope

Name: _____

Date: _____

Find the slope using ratio method

$(-2,-3)$ and $(3,-6)$

$$\Delta y = y_2 - y_1 = -6 - (-3) = -3$$

$$\Delta x = x_2 - x_1 = 3 - (-2) = 5$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \frac{-3}{5}$$

1

$(8,4)$ and $(-5,2)$

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

2

$(1,6)$ and $(0,-3)$

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

3

$(5,-2)$ and $(-4,1)$

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

4

$(9,-4)$ and $(5,6)$

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

5

$(8,-5)$ and $(6,-2)$

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

6

$(9,-4)$ and $(8,-2)$

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

7

$(4,-6)$ and $(8,-5)$

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

8

$(5,-9)$ and $(-2,6)$

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

Slope

Name: _____

Date: _____

Find the slope using ratio method

$(-2,-3)$ and $(3,-6)$

$$\Delta y = y_2 - y_1 = -6 - (-3) = -3$$

$$\Delta x = x_2 - x_1 = 3 - (-2) = 5$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \frac{-3}{5}$$

1

$(8,4)$ and $(-5,2)$

$$\Delta y = -2$$

$$\Delta x = -13$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \frac{2}{13}$$

2

$(1,6)$ and $(0,-3)$

$$\Delta y = -9$$

$$\Delta x = -1$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = 9$$

3

$(5,-2)$ and $(-4,1)$

$$\Delta y = 3$$

$$\Delta x = -9$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = -\frac{1}{3}$$

4

$(9,-4)$ and $(5,6)$

$$\Delta y = 10$$

$$\Delta x = -4$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = -\frac{5}{2}$$

5

$(8,-5)$ and $(6,-2)$

$$\Delta y = 3$$

$$\Delta x = -2$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = -\frac{3}{2}$$

6

$(9,-4)$ and $(8,-2)$

$$\Delta y = 2$$

$$\Delta x = -1$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = -2$$

7

$(4,-6)$ and $(8,-5)$

$$\Delta y = 1$$

$$\Delta x = 4$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \frac{1}{4}$$

8

$(5,-9)$ and $(-2,6)$

$$\Delta y = 15$$

$$\Delta x = -7$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = -\frac{15}{7}$$